| Appr | oved for use through | 07/31/2006. OMB 0651-0032 |
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| | UTILITY | Attorney Docket N |
| 227 64 | PATENT APPLICATION | First Inventor |
| * | TRANSMITTAL | Title |
| 氐 | (Only for new nonprovisional applications under 37 CFR 1.53(b)) | Express Mail Labe |

| Attorney Docket No. | 5000-1-446 |
|------------------------|---------------------------|
| First Inventor | Chang-Yul Kim et al. |
| Title | CLOCK AND DATA RECOVERY ! |
| Express Mail Label No. | EV 397157815 US |
| | |

| IRANSIVITIAL | Title | CLOCK AND DATA RECOVERY ! | | | |
|--|---|---|--|--|--|
| (Only for new nonprovisional applications under 37 CFR 1.53(b)) | Express Mail Label No. | EV 397157815 US | | | |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | ADDRESS TO: | Mall Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450 | | | |
| 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages_17] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure | Computer Prog 8. Nucleotide and/or A (if applicable, all nec a. Computer b. Specificat i. CD- ii. Pap c. Statemen ACCOMPAN 9. Assignment P 10. 37 CFR 3.73(| mino Acid Sequence Submission essary) Readable Form (CRF) ion Sequence Listing on: ROM or CD-R (2 copies); or er ets verifying identity of above copies YING APPLICATION PARTS expers (cover sheet & document(s)) b) Statement | | | |
| 5. Oath or Declaration [Total Sheets 2] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 | 11. English Trans 12. Information D Statement (ID 13. Return Receip (Should be sp 15. Certified Copy (if foreign prio 16. Nonpublicatio (b)(2)(B)(i). Al or its equivale 17. Other: | S)/PTO-1449 Citations mendment ot Postcard (MPEP 503) ecifically itemized) of Priority Document(s) rity is claimed) on Request under 35 U.S.C. 122 oplicant must attach form PTO/SB/35 nt. | | | |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, Is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. | | | | | |
| 19. CORRESPON | DENCE ADDRESS | | | | |
| Customer Number: 33942 | OR [| Correspondence address below | | | |
| Name | | | | | |
| Address | | | | | |
| City | State | Zip Code | | | |
| <u> </u> | elephone | Fax | | | |
| Name (Print/Type) Steve S. Cha Signature | Registration No. (Attorne | y/Agent) 44,069 Date 2/20/04 | | | |
| Congridation // | , | Jaio 4/20/04] | | | |

This collection of information is required by 37 CER 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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(\$) 810.00

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Signature

| Complete if Known | | |
|----------------------|---------------------|---|
| Application Number | Unassigned | |
| Filing Date | February 27, 2004 | |
| First Named Inventor | Chan-Yul Kim et al. | |
| Examiner Name | Unassigned | |
| Art Unit | Unassigned | - |
| Attorney Docket No. | 5000-1-446 | |

Date

| METHOD OF PAYMENT (check all that apply) | FEE CALCULATION (continued) | | | | | |
|---|-----------------------------|---------------|-------------|-------------|--|-------------|
| Check Credit card Money Other None | lone 3. ADDITIONAL FEES | | | | | |
| Deposit Account: | Large Entity Small Entity | | | | | |
| Deposit Account 502-470 | Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
| Number | 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| Deposit Account Name | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | \square |
| The Director is authorized to: (check all that apply) | 1053 | 130 | 1053 | 130 | Non-English specification | <u> </u> |
| Charge fee(s) indicated below Credit any overpayments | 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | ├ |
| Charge any additional fee(s) or any underpayment of fee(s) | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| FEE CALCULATION | 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1. BASIC FILING FEE | 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| Large Entity Small Entity | 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| Fee Fee Fee Fee Pald Code (\$) Code (\$) | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1001 770 2001 385 Utility filing fee | 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1002 340 2002 170 Design filing fee | 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1003 530 2003 265 Plant filing fee | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1004 770 2004 385 Reissue filing fee | 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1005 160 2005 80 Provisional filing fee | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| SUBTOTAL (1) (\$) 770 | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| Extra Claims below Fee Paid | 1502 | 480 | 2502 | 240 | Design issue fee | |
| Total Claims 12 -20** = | 1503 | 640 | 2503 | 320 | Plant issue fee | |
| Claims | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| Multiple Dependent = | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| Large Entity Small Entity Fee Fee Fee Fee Description | 1806 | 180 | 1806 | | Submission of Information Disclosure Stmt | |
| Code (\$) Code (\$) | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1203 290 2203 145 Multiple dependent claim, if not paid | 1810 | 770 | 2810 | 385 | For each additional invention to be | |
| 1204 86 2204 43 ** Reissue independent claims over original patent | 1801 | 770 | 2801 | 385 | examined (37 CFR 1.129(b)) Request for Continued Examination (RCE) | |
| 1205 18 2205 9 ** Reissue claims in excess of 20 | 1802 | 900 | 1802 | | Request for expedited examination | |
| and over original patent | O.L. | ا - م /ء - | المائدة | | of a design application | - |
| SUBTOTAL (2) (\$) ⁽ | | fee (sp | | iling F | ee Paid SUBTOTAL (3) (\$) 40.00 | |
| **or number previously paid, if greater; For Reissues, see above | 1,600 | Joed Dy | Jasic F | any r | ee Paid SUBTOTAL (3) (\$) 40.00 | <u> </u> |
| SUBMITTED BY (Complete (if applicable)) | | | | | | |
| Name (Print/Type) Steve Cha Registration No. 44,069 Telephone 201-518-5518 | | | | | | |

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